



U.S. Department  
of Transportation

**Federal Highway  
Administration**

# Memorandum

6300 Georgetown Pike  
McLean, Virginia 22101

Subject: **ACTION**: LTPP Directive TDP-31  
Release of LTPP Traffic Analysis Software Version 1.2

Date: June 26, 2003

From: Debbie Walker *Debbie Walker*  
Long Term Pavement Performance Team

Reply to  
Attn of: HRDI-13

To: Dr. Frank Meyer, PM - LTPP North Atlantic Regional Contract  
Dr. Frank Meyer, PM - LTPP North Central Regional Contract  
Mr. Mark Gardner, PM - LTPP Southern Regional Contract  
Mr. Kevin Senn, PM - LTPP Western Regional Contract

Attached is the Long Term Pavement Performance (LTPP) Program Directive TDP-31. This directive addresses the update of the LTPP Traffic Software Version 1.2 and inclusion of data generated from information currently stored in the Central Traffic Database (CTDB). Please ensure that all personnel involved with the Traffic Program are aware of this new directive.

Should you have any questions or would like to discuss this directive, please do not hesitate to contact me at 202-493-3068.

Attachments (2)

# LONG TERM PAVEMENT PERFORMANCE PROGRAM DIRECTIVE



*For the Technical Direction of the LTPP Program*



---

<b>Program Area:</b>	Traffic	<b>Directive Number:</b>	TDP-31
<b>Date:</b>	June 26, 2003	<b>Supersedes:</b>	TDP-27
<b>Subject:</b>	<i>Release of LTPP Traffic Analysis Software Version 1.2</i>		

---

## **Purpose**

This directive discusses the update of the LTPP Traffic Analysis Software Version 1.2 and inclusion of data generated from information currently stored in the Central Traffic Database (CTDB).

## **Changes**

This release contains a list of changes made to the software since Version 1.1. The majority of the changes were related to miscellaneous Software Performance Reports (SPRs) resolved during this period. Most notable are modification of the SPS graphs for the new comparison processes and update of the Information Management System (IMS) computations for Average Annual Daily Traffic (AADT).

## **Distribution of Software**

This software update was distributed directly by the Technical Support Services Contractor (TSSC). The installation of the data and analysis software to permit processing with the traffic data analysis software shall be completed by November 8, 2002.

## **Where to Find Updated Files**

The files needed to install Version 1.2 are on the CD-ROM labeled "LTPP Traffic Analysis Software Version 1.2 — November 1, 2002, RSC Distribution." The files are located in the subdirectory Software\Analysis software. The attached table titled "Installing Traffic Analysis Software Version 1.2," lists the steps for installing the new release of the traffic analysis software.

The updated documentation for the traffic analysis software is found in the Documentation subdirectory of the release CD.

Updates of SQLs for various reporting and QC functions are included in the subdirectory Software\SQLs. Each SQL is documented with comments in both the file and user documentation.

**Where to Find Updated Files** *(continued)*

Instructions for populating the traffic analysis database with information for sites that completed traffic analysis processing using the old software are found in the subdirectory Regional Data. The data specific to each region is in the regional subdirectory. The files are zipped but not password protected. The Traffic Database Administrator (DBA) must load the files.


A batch file for creating the December 2002 upload is found in the Regional Data subdirectory.

**Current Practice**

Since the software has yet to complete a full year's cycle of traffic data processing, the material on the composition of packets to be supplied to the agency remains as guidelines for consideration rather than requirements for execution. Section 3 – Agency Packets in the Traffic Software Materials Volume 1, User's Manual Version 1.2 dated November 1, 2002 details this process. Additionally, as a number of details remain to be formally implemented with respect to the SPS pooled fund project and associated data processing, Section 4 – SPS Pooled Fund Data remains under discussion and is not an absolute requirement.

Prepared by: TSSC

Approved by:



Aramis López, Jr.  
Team Leader, LTPP Operations

## Attachment 1

### Installing Traffic Analysis Software Version 1.2

Step	Action								
1	<p>Execute the script to update tables structures</p> <p>Traffic_Tables_Update_1_2.sql will:</p> <ul style="list-style-type: none"> <li>◆ Correct a field in ESAL_SUM_TEMP</li> <li>◆ Correct a field in TRF_MONITOR_AADT</li> <li>◆ Create a table to be used with the QC Program on the TRF_MONITOR_* tables</li> <li>◆ Add a synonym for TRAFFIC_REGIONS called REGIONS to allow the IMS QC program to run against the traffic database.</li> </ul>								
2	<p>Update codes in the database</p> <p>Use Traffic_Codes_Update_1_2.sql.</p>								
3	<p>Replace the analysis.exe on the server</p> <p>Use the updated analysis.exe located in the zip file Analysis.zip (Password is "version_1_2").</p>								
4	<p>Put the TrafficAnalysisQC.exe and TrafficAnalysisQC.cmd files on the server in the directory with the Analysis.exe file</p> <p>The TRF_MONITOR tables will use these files.</p>								
5	<p>Verify that location of the executable is in its path by typing "path" at the DOS prompt</p> <p>Check the contents of the path displayed for the server location. If the location is not in the path, it may be temporarily added by typing "set path=%path%;additional_path_info" at the DOS prompt. Or, the location can be permanently added by using the Environment Variables function in the System Control Panel's Advanced tab.</p>								
6	<p>Run QC on the TRF_MONITOR tables</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Step</th><th>Action</th></tr> </thead> <tbody> <tr> <td>1</td><td>Open a DOS window</td></tr> <tr> <td>2</td><td>Go to the directory where the TrafficAnalysisQC.cmd output is to be located</td></tr> <tr> <td>3</td><td> <p>Execute the command file</p> <p>Type "TrafficAnalysisQC.cmd OracleUsername/OraclePassword@OracleDatabase" at the DOS prompt.</p> </td></tr> </tbody> </table> <p>The result from this step will produce the following four files:</p> <ul style="list-style-type: none"> <li>◆ TrafficAnalysis_B.lis</li> <li>◆ TrafficAnalysis_C.lis</li> <li>◆ TrafficAnalysis_D.lis</li> <li>◆ TrafficAnalysis_E.lis.</li> </ul> <p>These files will be produced in the directory where the command is executed.</p>	Step	Action	1	Open a DOS window	2	Go to the directory where the TrafficAnalysisQC.cmd output is to be located	3	<p>Execute the command file</p> <p>Type "TrafficAnalysisQC.cmd OracleUsername/OraclePassword@OracleDatabase" at the DOS prompt.</p>
Step	Action								
1	Open a DOS window								
2	Go to the directory where the TrafficAnalysisQC.cmd output is to be located								
3	<p>Execute the command file</p> <p>Type "TrafficAnalysisQC.cmd OracleUsername/OraclePassword@OracleDatabase" at the DOS prompt.</p>								
<p><b>Note:</b> Changes to the software are in the Analysis Software Version 1 2.doc file.</p>									